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RAW SEQUENCE LISTING

DATE: 03/19/2003

PATENT APPLICATION: US/09/826,210A

TIME: 12:31:31

Input Set : A:\Substitute Sequence Listing 1503_0220003.txt

Output Set: N:\CRF4\03192003\I826210A.raw

5 <110> APPLICANT: Springer, Barry A.
 7 Pantoliano, Michael W.
 9 Sharp, Celia M.
 13 <120> TITLE OF INVENTION: Analogs of Human basic Fibroblast Growth Factor
 17 <130> FILE REFERENCE: 1503.0220003
 20 <140> CURRENT APPLICATION NUMBER: US 09/826,210A
 C--> 22 <141> CURRENT FILING DATE: 2003-03-11
 25 <150> PRIOR APPLICATION NUMBER: US 09/220,077
 27 <151> PRIOR FILING DATE: 1998-12-23
 30 <150> PRIOR APPLICATION NUMBER: US 60/068,667
 32 <151> PRIOR FILING DATE: 1997-12-23
 36 <160> NUMBER OF SEQ ID NOS: 4
 40 <170> SOFTWARE: PatentIn version 3.0
 44 <210> SEQ ID NO: 1
 46 <211> LENGTH: 483
 48 <212> TYPE: DNA
 50 <213> ORGANISM: Homo sapiens
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 56 <221> NAME/KEY: CDS
 58 <222> LOCATION: (1)..(474)
 60 <223> OTHER INFORMATION:
 64 <220> FEATURE:
 66 <221> NAME/KEY: mat_peptide
 68 <222> LOCATION: (4)..()
 70 <223> OTHER INFORMATION:
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 75 atg ggc acc atg gca gcc ggg agc atc acc acg ctg ccc gcc ctt ccg 48
 76 Met Gly Thr Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro ~
 77 -1 1 5 10 15
 79 gag gat ggc ggc agc ggc gcc ttc ccg ccc ggg cac ttc aag gac ccc 96
 80 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
 81 20 25 30
 83 aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc 144
 84 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
 85 35 40 45
 87 gac ggc cga gtt gac ggg gtc cgg gag aag agc gac cct cac atc aag 192
 88 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
 89 50 55 60
 91 cta caa ctt caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg 240
 92 Leu Gln Leu Gln Ala Glu Arg Gly Val Val Ser Ile Lys Gly Val
 93 65 70 75
 95 tgt gct aac cgg tac ctg gct atg aaa gaa gat ggt cga ctg ctg gct 288
 96 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala

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97 80          85          90          95
99 tct aaa tgc gtt acc gat gag tgc ttc ttc ttc gaa cgt ctc gag tct      336
100 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
101          100          105          110
103 aac aac tac aac acc tac cgt tcg aga aaa tac acc agt tgg tat gtg      384
104 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
105          115          120          125
107 gca ctt aag cgt acc ggt cag tac aaa ctt ggt tct aag acg ggc cca      432
108 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
109          130          135          140
111 ggt cag aaa gct atc ctg ttc ctg ccg atg tct gct aaa tct tgaggatcc      483
112 Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser
113          145          150          155
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118 <211> LENGTH: 158
120 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
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132 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
133          20          25          30
136 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
137          35          40          45
140 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
141          50          55          60
144 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
145          65          70          75
148 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
149 80          85          90          95
152 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Glu Arg Leu Glu Ser
153          100          105          110
156 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
157          115          120          125
160 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
161          130          135          140
164 Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser
165          145          150          155
168 <210> SEQ ID NO: 3
170 <211> LENGTH: 175
172 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 3
179 ctggctatga aggaagatgg aagattactg gcttctaaat gtgttacgga tgagtgtttc      60
181 ttttttgaac gattggaatc taataactac aatacttacc gctcgagaaa atacaccagt      120
183 tggatatgtg cacttaagcg taccggtcag tacaagcttg gttctaaaac gggcc      175
186 <210> SEQ ID NO: 4
188 <211> LENGTH: 11
190 <212> TYPE: PRT

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192 <213> ORGANISM: Artificial Sequence

196 <220> FEATURE:

198 <221> NAME/KEY: misc_feature

200 <223> OTHER INFORMATION: T7 peptide

204 <400> SEQUENCE: 4

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207 1 5 10

VERIFICATION SUMMARY

DATE: 03/19/2003

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L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:74 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:60

L:74 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:70